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PHOTOGRAPHIC INTERPRETATION REPORT



ASHKHABAD-CHARDZHOU  
MICROWAVE LINE  
USSR

25X1

FEBRUARY 1970

COPY 118

5 PAGES

PIR-008/70

25X1

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|--|------------------------|-----------|-----------------------------|-------------|-----------|--|
| INSTALLATION OR ACTIVITY NAME  |                        |           |                             |             | COUNTRY   |  |
| Ashkhabad-Chardzhou Microwave Line   |                        |           |                             |             | UR        |  |
| UTM COORDINATES  | GEOGRAPHIC COORDINATES | CATEGORY  | BE NUMBER                   | COMIREX NO. | NIETB NO. |  |
| NA   | See below              | See below | See below                   | None        | See below |  |
| MAP REFERENCE  |                        |           |                             |             |           |  |
| ACIC. USAF Jet Navigation Chart, Sheet JN-23, 6th ed, Jun 66, scale 1:2,000,000 (UNCLASSIFIED) |                        |           |                             |             |           |  |
| LATEST IMAGERY USED  |                        |           | NEGATION DATE (If required) |             |           |  |
| See below  |                        |           | NA                          |             |           |  |
| REQUIREMENT  |                        |           | NPIC PROJECT                |             |           |  |
| None   |                        |           | 111108NN                    |             |           |  |

## ABSTRACT

This report locates and describes 13 microwave facilities along a line between Ashkhabad and Chardzhou, USSR.

## INTRODUCTION

Information obtained from Soviet open sources, attache reports, and COMINT data indicated the existence of a mainline television/microwave link from Ashkhabad to Bukhara. A search of photography revealed nine confirmed and one probable microwave facilities along this line, and this information was published in an NPIC Photographic Interpretation Report, Ashkhabad-Bukhara Microwave Line, USSR, May 69 (TOP SECRET RUFF [redacted]. The report, based on the photographic information available at the time, revealed the line to be substantially complete between Ashkhabad and Bayram-Ali with a gap in the line between Bayram-Ali and Chardzhou. In addition, a probable microwave facility was identified at Khumin near Bukhara.

On KEYHOLE photography [redacted] four additional microwave facilities (two not yet complete) were identified along this line (Figure 1). Three of these facilities are located between Bayram-Ali and Chardzhou, probably completing that portion of the line. The previously reported probable microwave facility at Khumin was discovered to be non-electronic in nature. No evidence of a microwave facility between Chardzhou and Bukhara was observed.

The 13 microwave facilities which make up the Ashkhabad-Chardzhou microwave line are described on the following pages.

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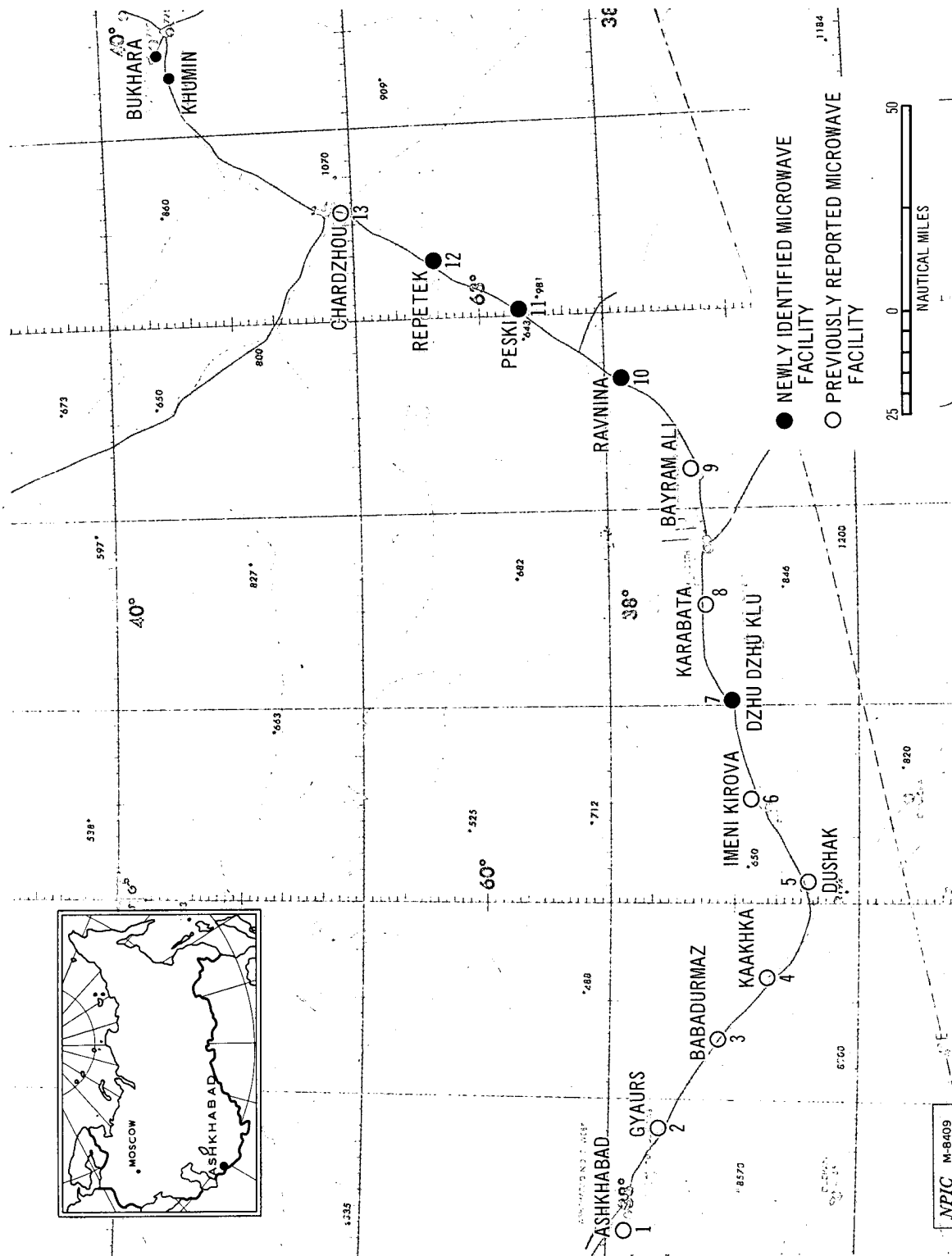


FIGURE 1. LOCATION MAP OF ASHKHABAD-CHARDZHOU MICROWAVE FACILITIES.

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## BASIC DESCRIPTION

## 1. Ashkhabad TV/Microwave Facility

37-55-40N 058-21-30E

Tower Height 160.0 meters (525 feet)

25X1

25X1

25X1

This secured facility consists of a self-supporting steel lattice TV tower, a studio or control building, and four support buildings. No microwave elements are observed.

## 2. Gyaurs Microwave Facility

37-52-23N 058-39-38E

25X1

25X1

The secured facility consists of one microwave tower, one control building, and three support buildings. The small scale of the photography precludes further identification of electronic elements.

## 3. Babadurmaz Microwave Facility

(Previously reported as Artyk Microwave Facility)

37-39-49N 059-08-19E

25X1

25X1

The facility consists of one microwave tower, one control building, and two support buildings. The small scale of the photography precludes further identification of electronic elements.

## 4. Kaakhka Microwave Facility

37-24-20N 059-33-00E

25X1

25X1

This secured facility consists of one microwave tower, one control building, and two support buildings. The small scale of the photography precludes identification of microwave elements.

25X1

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25X1

5. Dushak Microwave Facility  
37-12-53N 060-02-41E

25X1

25X1

The secured facility consists of one microwave tower, one control building, and one support building. The small scale of the photography precludes identification of electronic elements.

6. Imeni Kirova Microwave Facility  
37-29-40N 060-28-55E

25X1

25X1

The secured facility consists of one microwave tower with at least two R-600-type microwave antennas, one control building, and three support buildings.

7. Dzhu Dzhu Klu Microwave Facility  
37-31-20N 061-02-05E  
Tower Not Complete

25X1

25X1

This secured facility contains one partially erected, self-supporting microwave tower and two support buildings. No microwave elements are observed.

8. Karabata Microwave Facility  
37-37-40N 061-34-20E

25X1

25X1

This secured facility consists of one microwave tower and two support buildings. The small scale of the photography precludes further identification of microwave elements.

9. Bayram-Ali TV/Microwave Facility  
37-39-10N 062-12-10E

25X1

25X1

25X1

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25X1

The facility contains one self-supporting steel lattice tower with television transmitting elements on top, one R-600 microwave antenna, and one unoccupied support ring for a possible R-600 microwave antenna mounted on the side of the tower. One control building and five support buildings are in the facility.

10. Ravnina Microwave Facility  
37-56-55N 062-38-50E  
Tower Not Complete

25X125X1

This facility contains a partially erected microwave tower and two support buildings under construction. No microwave elements are observed.

11. Peski Microwave Facility  
38-19-20N 063-00-50E

25X125X1

The facility contains a self-supporting microwave tower with at least two microwave elements and two support buildings. The small scale of the photography precludes determination of type and orientation of microwave elements.

12. Repetek Microwave Facility  
38-40-25N 063-16-30E

25X125X1

The facility contains a self-supporting microwave tower with at least two microwave elements and two support buildings. The small scale of the photography precludes determination of type and orientation of microwave elements.

13. Chardzhou TV/Microwave Station  
39-01-30N 063-35-20E

25X125X1

The facility consists of one self-supporting steel lattice television tower with an adjacent studio or control building. No microwave elements are observed on the photography.

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